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EUROPEAN PATENT APPLICATION

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- (51) Int CI.⁶: **A61K 35/74**, C12R 1/46, C12R 1/225, C12N 1/20
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- (54) Strains of bacteria with altered metabolism of bile acids and their use

(57) Strains of bacteria characterized by exhibiting:
(a) a 7Ó-dehydroxylase activity of less than 50%, and
(b) a bile acid deconjugation activity of less than 50%, and descendants, mutants and derivatives thereof pre-

serving activities (a) and (b); and a pharmaceutical composition comprising one or more of such strains and useful of same for preventing and treating deseases associated with or caused by an altered metabolism of bile



EUROPEAN SEARCH REPORT

EP 97 83 0040

	DOCUMENTS CON	SIDERED TO BE RELEVANT		
Category	OI LENGASIA		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.8)
	transit in the h	PAR2054256	1-3; 26-28	A61K35/74 C12R1/46 C12R1/225 C12N1/20
	choile acid /aiph in the strains of Bifidobacterium" JOURNAL OF DAIRY /ol. 77, no. 11, pages 3275-3286	1994, XP002054257	1-3, 12-14, 26-28	
	P 0 671 468 A (C/	ALPIS FOOD IND CO LTD)	1-3,12, 13,26,27	
S D vo	TO TO SECTION SECTION	the intestinal flora and tion in bile. Effects of ium administration"		TECHNICAL FIELDS BEARCHED (INCLE) A61K C12R C12N
JO VO Pa	Dire actu /-gen Dacterium sp. sti	rain VPI 12708* DLOGY, DB7, WASHINGTON, DC, US,	1	
Th	e present search report has	been drawn up for all claims		
Pla	ce of search	Date of completion of the search		Examiner
BERLIN		3 February 1998	Mater	Rosell, A.M.
: particular : particular document : technolog	ORY OF CITED DOCUMENTS by relevant if taken abone by relevant if combined with anoti of the same category ical background in disolosure	T : theory or principle us E : earlier patent docum	nderlying the investment, but published a application ther reasons	ntion d on, or



EUROPEAN SEARCH REPORT

Application Number EP 97 83 9940

Category	Citation of document with it of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	29. Bile Acids and	AL.,: "Falk Symposium Lipids" MITED , LANCASTER, GB	24	
A	EP θ 117 57θ A (ABC * abstract *	: IST BIOLOG CHEM SPA)	25	
A	WO 94 02503 A (ENOS (IT)) * abstract *	YS SA ; CONTOS SIMOS	25	
A	strategies for colo	d and other agents" 95, 900645242	26	
	effect of ursodeoxy	ERDAM, NL,	25,26	TECHNICAL FIELDS SEARCHED (IMLCLS)
	The present search report has	been drawn up for all claims Date of completon of the search		Example
	BERLIN	•	Mak	
X part Y part door A tech	ATEGORY OF CITED DOOUMENTS ioularly relevant if taken alone ioularly relevant if combined with and ment of the same category inclogical background -emitten disclosure mediate document	L : document ofted for	a underlying the a purnent, but publis a n the application or other reasons	shed on, or

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